Page 4

Line 3, delete "SEQ ID NO:5" and insert --SEQ ID NO:6--.

Line 5, delete "NO:6" and insert --NO:5--.

Line 13, delete "SEQ ID NO:7" and insert --SEQ ID NO:8--.

Line 15, delete "NO:8" and insert --NO:7--.

Line 18, delete "NO:1 or SEQ ID NO:3" and insert

--NO:2 or SEQ ID NO:4--.

Line 20, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 21, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Line 26, delete "NO:1 or SEQ ID NO:3" and insert

--NO:2 or SEQ ID NO:4--.

Page 7

Line 5, after "nucleotide sequences" insert

--(SEQ ID NOS:85-86)--.

Page 8

Line 20, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 23, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 27, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Page 9

Line 3, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Line 6, delete "SEQ ID NO:5" and insert --SEQ ID NO:6--.

Line 8, delete "SEQ ID NO:7" and insert --SEQ ID NO:8--.

Line 21, delete "NO:1" and insert --NO:2--.

Line 22, after "to 3" insert -- (SEQ ID NOS:9-11)--.

Line 24, delete "SEQ ID NO:2" and insert --SEQ ID NO:1--.

Line 26, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 27, after "1 to 4" insert -- (SEQ ID NOS:15-18)--.

Page 10

Line 2, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Line 3, after "primers 4 to 6" insert

-- (SEQ ID NOS:12-14)--.

Line 5, delete "SEQ ID NO:4" and insert --SEQ ID NO:3--.

Line 7, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Line 7, after "primers 5 to 8" insert

-- (SEQ ID NOS:19-22)--.

Page 11

Line 15, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 17, delete "NO:2" and insert --NO:1--.

Line 18, after "amino acid sequences" insert

-- (SEQ ID NOS:23-37)--.

Page 16

Line 3, after "nucleotide sequences" insert

--(SEQ ID NOS:38-47)--.

Page 17

Line 14, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 16, delete "SEQ ID NO:6" and insert --SEQ ID NO:5--.

Line 18, delete "NO:1" and insert --NO:2--.

Line 20, delete "SEQ ID NO:8" and insert --SEQ ID NO:7--.

Page 20

Line 4, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 8, delete "SEQ ID NO:4" and insert --SEQ ID NO:3--.

Line 11, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Page 22

Line 25, delete "NO:1 or SEQ ID NO:3" and insert
--NO:2 or SEQ ID NO:4--.

Line 27, delete "NO:1 or SEQ ID NO:3" and insert
--NO:2 or SEQ ID NO:4--.

Page 23

Line 3, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 4, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Page 31

Line 23, after "nucleotide sequences" insert
-- (SEQ ID NOS:48-52)--.

Line 28, after "primers 8.2" insert -- (SEQ ID NO:48)--.

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Line 28, after "13.3RV" insert -- (SEQ ID NO:51)--.

Line 28, after "13.4" insert -- (SEQ ID NO:49)--.

Page 32

Line 1, after "10.3RV" insert -- (SEQ ID NO:52)--.

Line 1, after "primers 7.4" insert -- (SEQ ID NO:50)--.

Line 1, after "10.3RV" insert -- (SEQ ID NO:52)--.

Line 8, delete "SEQ ID NO:2" and insert --SEQ ID NO:1--.

Line 12, delete "SEQ ID NO:2" and insert --SEQ ID NO:1--.

Page 33

Line 8, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 9, after "nucleotide sequences" insert

--(SEQ ID NOS:59-60)--.

Line 19 , delete "NO:2" and insert --NO:1--.

Page 35

Line 4, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 5, after "nucleotide sequences" insert

-- (SEQ ID NOS:61-64)--.

Line 10, after "nucleotide sequences" insert

-- (SEQ ID NOS:65-70)--.

Line 15, after "primers" insert -- (SEQ ID NOS:65-70)--.

Line 18, delete "SEQ ID NO:4" and insert --SEQ ID NO:3--.

Page 36

Line 24, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 25, after "nucleotide sequences" insert

-- (SEQ ID NOS:71-74)--.

Line 30, delete "SEQ ID NO:6" and insert --SEQ ID NO:5--.

Page 37

Line 15, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 16, after "sequences" insert -- (SEQ ID NOS:75-76)--.

Line 21, after "nucleotide sequences" insert

-- (SEQ ID NOS:77-78)--.

Line 26, after "nucleotide sequences" insert

-- (SEQ ID NOS:77-78)--.

Line 27, delete "SEQ ID NO:8" and insert --SEQ ID NO:7--.

Page 38

Line 20, after "linkers" insert -- (SEQ ID NOS:79-80)--.

Page 39

Line 1, after "linkers" insert -- (SEQ ID NOS:79-80)--.

Page 40

Line 19, after "primers" insert -- (SEQ ID NOS:81-84)--.

Page 41

Line 18, after "primers" insert -- (SEQ ID NOS:81-84)--.

Page 42

Line 24, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 25, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 27, delete "SEQ ID NO:2" and insert --SEQ ID NO:1--.

Line 28, delete "SEQ ID NO:2" and insert --SEQ ID NO:1--.

Line 30, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Line 31, delete "SEQ ID NO:3" and insert --SEQ ID NO:4--.

Page 43

Line 1, delete "SEQ ID NO:4" and insert --SEQ ID NO:3--.

Line 2, delete "SEQ ID NO:4" and insert --SEQ ID NO:3--.

Line 4, delete "SEQ ID NO:5" and insert --SEQ ID NO:6--.

Line 5, delete "SEQ ID NO:5" and insert --SEQ ID NO:6--.

Line 7, delete "SEQ ID NO:6" and insert --SEQ ID NO:5--.

Line 8, delete "SEQ ID NO:6" and insert --SEQ ID NO:5--.

Line 10, delete "SEQ ID NO:7" and insert --SEQ ID NO:8--.

Line 11, delete "SEQ ID NO:7" and insert --SEQ ID NO:8--.

Line 13, delete "SEQ ID NO:8" and insert --SEQ ID NO:7--.

Line 14, delete "SEQ ID NO:8" and insert --SEQ ID NO:7--.

Line 17, after "nucleotide sequences" insert

-- (SEQ ID NOS:9-14)--.

Line 19, after "Primer 1" insert -- (SEQ ID NO:9)--.

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Line 21, after "Primers 2" insert -- (SEQ ID NO:10)--.

Line 21, after "3" insert -- (SEQ ID NO:11)--.

Line 23, after "Primer 4" insert -- (SEQ ID NO:12)--.

Line 24, after "Primers 5" insert -- (SEQ ID NO:13)--.

Line 24, after "6" insert -- (SEQ ID NO:14)--.

Page 44

Line 2, after "nucleotide sequences" insert

-- (SEQ ID NOS:15-22)--.

Line 4, after "Primers 1" insert -- (SEQ ID NO:15)--.

Line 4, after "2" insert -- (SEQ ID NO:16)--.

Line 6, after "Primers 3" insert -- (SEQ ID NO:17)--.

Line 6, after "4" insert -- (SEQ ID NO:18)--.

Line 7, after "Primers 5" insert -- (SEQ ID NO:19)--.

Line 7, after "6" insert -- (SEQ ID NO:20)--.

Line 9, after "Primers 7" insert -- (SEQ ID NO:21)--.

Line 9, after "8" insert -- (SEQ ID NO:22)--.

Line 14, after "amino acid sequences" insert

--(SEQ ID NOS:23-37)--.

Line 16, after "#1" insert -- (SEQ ID NO:23)—.

Line 17, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 18, after "#2" insert -- (SEQ ID NO:24)--.

Line 19, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 20, after "#3" insert -- (SEQ ID NO:25)--.

Line 21, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 22, after "#4" insert -- (SEQ ID NO:26)--.

Line 23, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 24, after "#5" insert -- (SEQ ID NO:27)--.

Line 25, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 26, after "#6" insert -- (SEQ ID NO:28)--.

Line 27, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 28, after "#7" insert -- (SEQ ID NO:29)--.

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Line 1, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 2, after "#8" insert -- (SEQ ID NO:30)--.

Line 3, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 4, after "#9" insert -- (SEQ ID NO:31)--.

Line 5, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 6, after "#10" insert -- (SEQ ID NO:32)--.

Line 7, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 8, after "#11" insert -- (SEQ ID NO:33)--.

Line 9, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 10, after "#12" insert -- (SEQ ID NO:34)--.

Line 11, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 12, after "#13" insert -- (SEQ ID NO:35)--.

Line 13, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 14, after "#14" insert -- (SEQ ID NO:36)--.

Line 15, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 16, after "#15" insert -- (SEQ ID NO:37)--.

Line 17, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 19, after "nucleotide sequences" insert

-- (SEQ ID NOS:38-47)--.

Line 20, after "amino acid sequences" insert

--(SEQ ID NOS:23-37)--.

Line 23, after "Primer 1" insert

-- ((1-F (SEQ ID NO:38))--.

Line 23, after "corresponds to" insert

-- the nucleotide sequence which codes for--.

Line 25, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 25, after "Primer 2" insert

-- ((2-F (SEQ ID NO:39) and 2-RV (SEQ ID NO:40))--.

Line 25, after "corresponds to" insert

-- the nucleotide sequence which codes for--.

Line 26, after "Primer 3" insert

-- ((3-F (SEQ ID NO:41) and 3-RV (SEQ ID NO:42))--.

Line 27, after "corresponds to" insert

-- the nucleotide sequence which codes for--.

Line 28, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 28, after "Primer 4" insert

-- ((4-F (SEQ ID NO:43 and 4-RV (SEQ ID NO:44))--.

Line 28, after "corresponds to" insert

-- the nucleotide sequence which codes for--.

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Line 2, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 2, after "Primer 5" insert

-- ((5-F (SEQ ID NO:45) and 5-RV (SEQ ID NO:46))--.

Line 2, after "corresponds to" insert

-- the nucleotide sequence which codes for--.

Line 4, delete "NO:1" and insert --NO:2--.

Line 4, after "Primer 6" insert

-- ((6-RV (SEQ ID NO:47))--.

Line 5, delete "SEQ ID NO:1" and insert --SEQ ID NO:2--.

Line 7, after "nucleotide sequences" insert

-- (SEQ ID NOS:48-52)--.

Line 13, after "nucleotide sequences" insert

-- (SEQ ID NOS:53-58)--.

Line 18, after "nucleotide sequences" insert

-- (SEQ ID NOS:59-60)--.

Line 25, after "nucleotide sequences" insert

-- (SEQ ID NOS:61-64)--.

Page 47

Line 2, after "nucleotide sequences" insert

-- (SEQ ID NOS:65-70)--.

Line 11, after "nucleotide sequences" insert

-- (SEQ ID NOS:71-74)--.

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